

ABSTRACT

The present invention relates to a new method for extraction and purification of cartilage type proteoglycan, and is to provide a method for extraction of crude proteoglycan characterizing to use acid as eluting solvent of cartilage.

1. The first part of the paper is devoted to the study of the asymptotic behavior of the solutions of the system (1) as $\epsilon \rightarrow 0$. It is shown that the solutions of the system (1) converge to the solutions of the system (2) as $\epsilon \rightarrow 0$.